4.9.18 Non-ECS Action Driver

The Non-ECS Action Driver is a new tool that is used to perform any non-ECS granules inserts. This utility is run manually (or may be set up to run from a cron task), usually after the Batch Insert Utility has been used to place non-ECS insert requests into the insert queue.

4.9.18.1 Using the Non-ECS Action Driver

Enter the following command to start the Non-ECS Action Driver utility:

> EcDlNdActionDriver [ecs_mode *mode*] [configFile *file*]

Table 4.9.18-1 provides a description of these command line parameters.

Table 4.9.18-1. Command Line Parameters of the Non-ECS Action Driver

Parameter Name	Description
ecs_mode *mode*	An input parameter specifying the mode of operation. If this environment variable 'MODE' is set, this is optional.
configFile *file*	An input parameter specifying the configuration file to be used. This is optional, and defaults to: /usr/ecs/<MODE>/CUSTOM/cfg/EcDlNonECSActionDriver. CFG

4.9.18.2 Required Operating Environment

The Non-ECS Action Driver runs on Linux platforms.

4.9.18.3 Databases

Table 4.9.18-2 lists the supporting products this tool depends on to function properly.

Table 4.9.18-2. Interface Protocols

Product Dependency	Protocols Used	Comments
Data Pool database	SQL	Via SQL server machines

4.9.18.4 Configuration File Format

The Non-ECS Action Driver configuration file follows the same format as the regular .CFG configuration files, e.g. one of more name value pairs of the form

NAME = VALUE

Leading and trailing white spaces are ignored. Any line beginning with a '#' is considered to be a comment. Table 4.9.18-3 lists the configuration parameters for the Non-ECS Action Driver.

Table 4.9.18-3. Configuration Parameters for Non-ECS Action Driver

Parameter Name	Description
AppLogSize	The size of the application log file before which it will be renamed, and a new log started
AppLogLevel	The application logging level, with 0 the minimum, and 3 the maximum.
MaxInsertRetries	The number of times to attempt an insert in the case of a retryable error
InsertRetryWait	The amount of time to wait between retry attempts, measured in seconds.
DatabaseRetryCount	The number of times to retry a retryable database error (e.g. deadlock)
DatabaseRetryInterval	The amount of time to wait between database retry attempts, measured in seconds.
DPIUTimeout	The maximum time that a DPIU process may take before it is considered hung.
DefaultRetentionPriority	The default retention priority. This value will be used if none is provided with the insert request.
DefaultRetentionPeriod	The default retention period. This value will be used if none is provided with the insert request.
DBSERVER	The name of the Sybase server running the Data Pool database.
DBUSERNAME	The user name that will be used by the Action Driver to connect to the Data Pool database.
DBNAME	The name of the Data Pool database.
DBPASSWDSEED	The seed, from which the database login password will be generated.

4.9.18.5   Special Constraints

The Non-ECS Action Driver runs only if the Data Pool database server is running and if the database is available.

4.9.18.6   Outputs

The Non-ECS Action Driver outputs all log messages and errors to an application log, located at /usr/ecs/<mode>/CUSTOM/logs/EcDlNdActionDriver.ALOG.   The utility will automatically save off the previous log every time it starts.